

Fig. 1

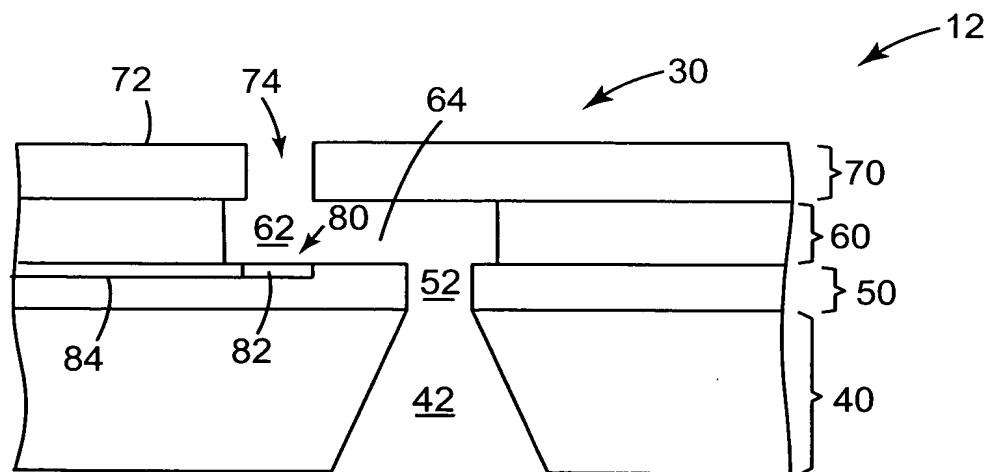


Fig. 2



Parameter	Exemplary (microns)	Range (microns)
Fluid Channel Width ($W_1 + W_2$)	38	34-42
Fluid Channel Length (L)	30	29-31
Fluid Channel Angle (left)	45 degrees	43-46 degrees
Fluid Channel Angle (right)	32 degrees	30-34 degrees
Peninsula Length (ℓ)	31	29-32
Island Width (w)	27	
Firing Resistor Length (ℓ_r)	28	
Firing Resistor Width (w_r)	16	
Firing Resistor Clearance (c)	2	1-3
Barrier Layer Thickness (T)	14	12-16
Orifice Plate Thickness (t)	31	29-33
Orifice Diameter (d)	20	18-22

Fig. 4

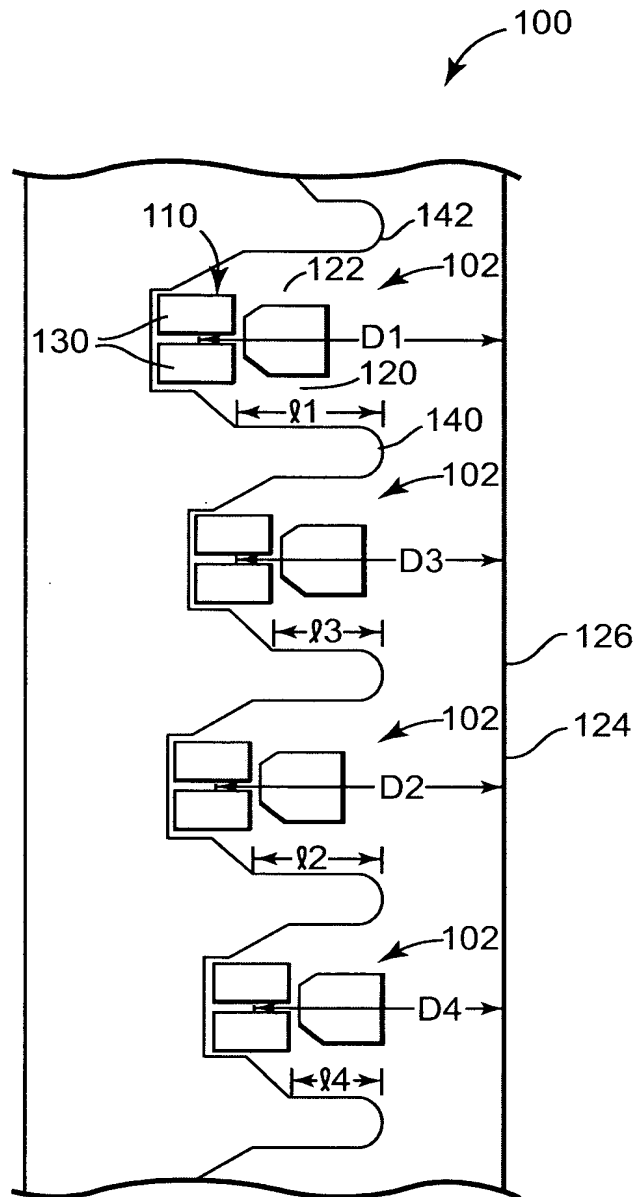


Fig. 5

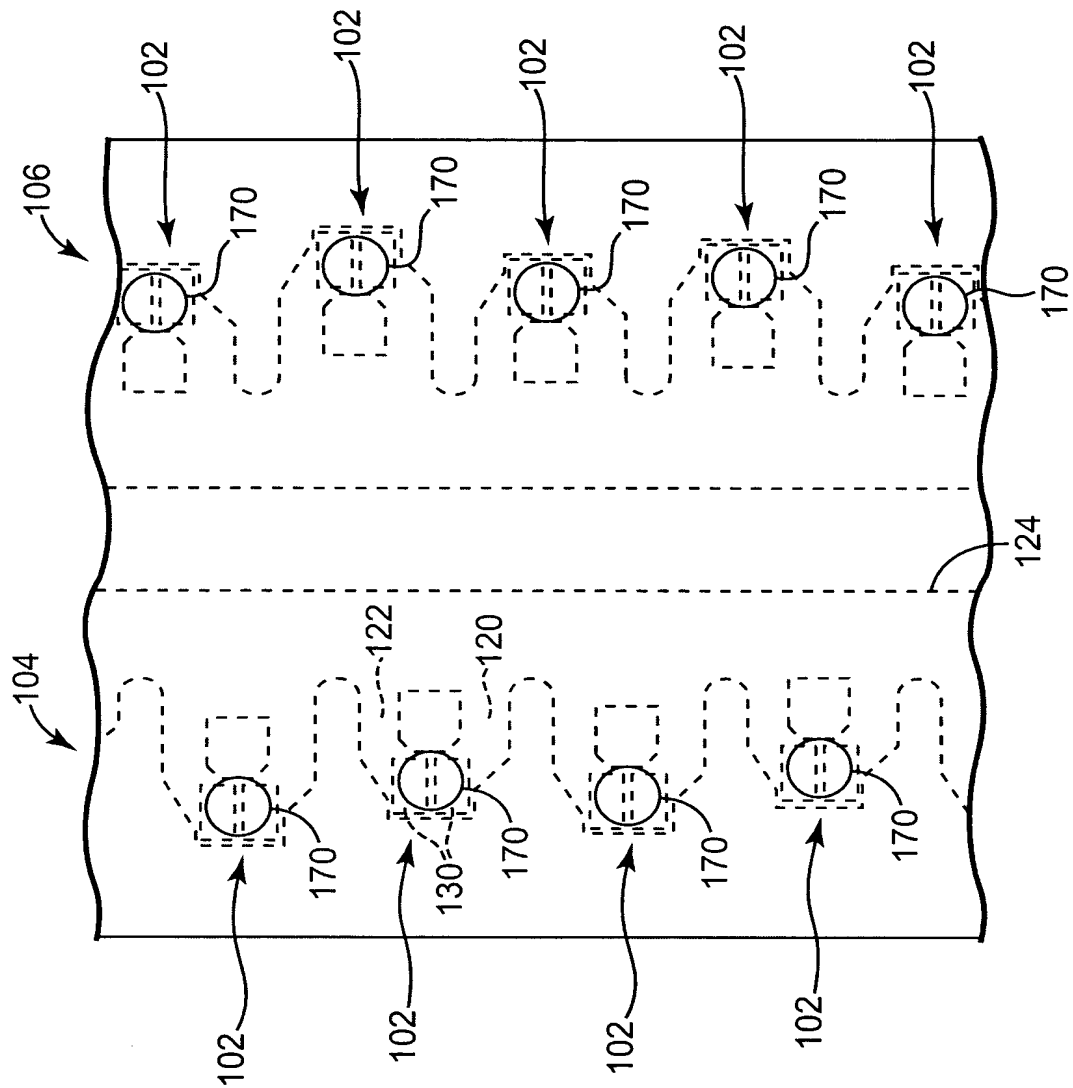


Fig. 6

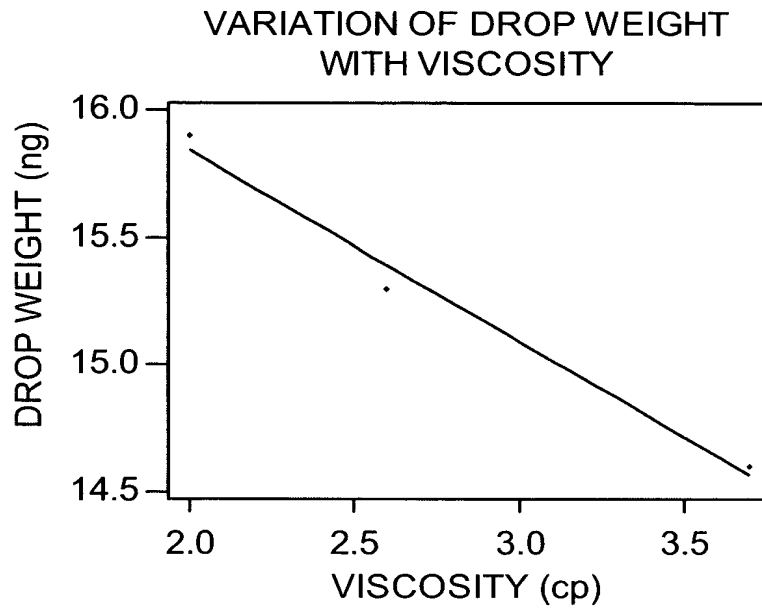


Fig. 7

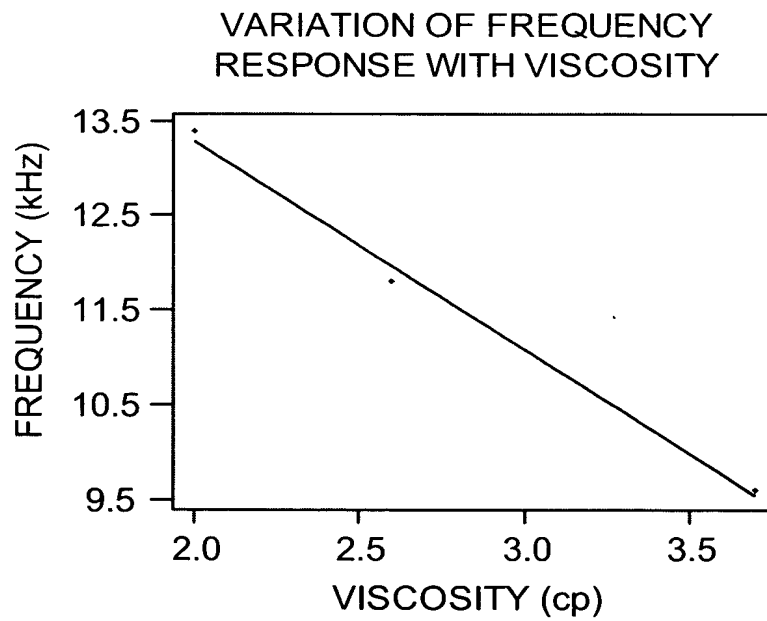


Fig. 8

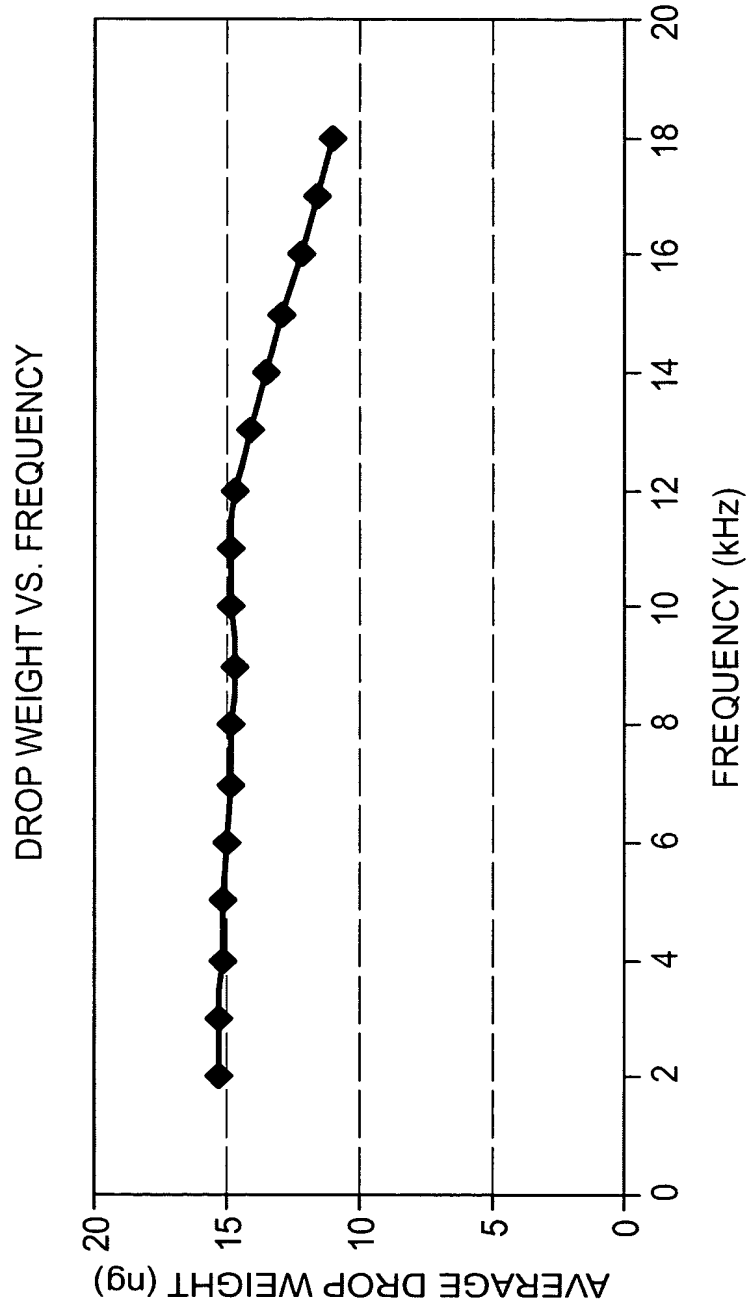


Fig. 9